

Figure 2.4-2 Typical 500/230kV Tangent Pole

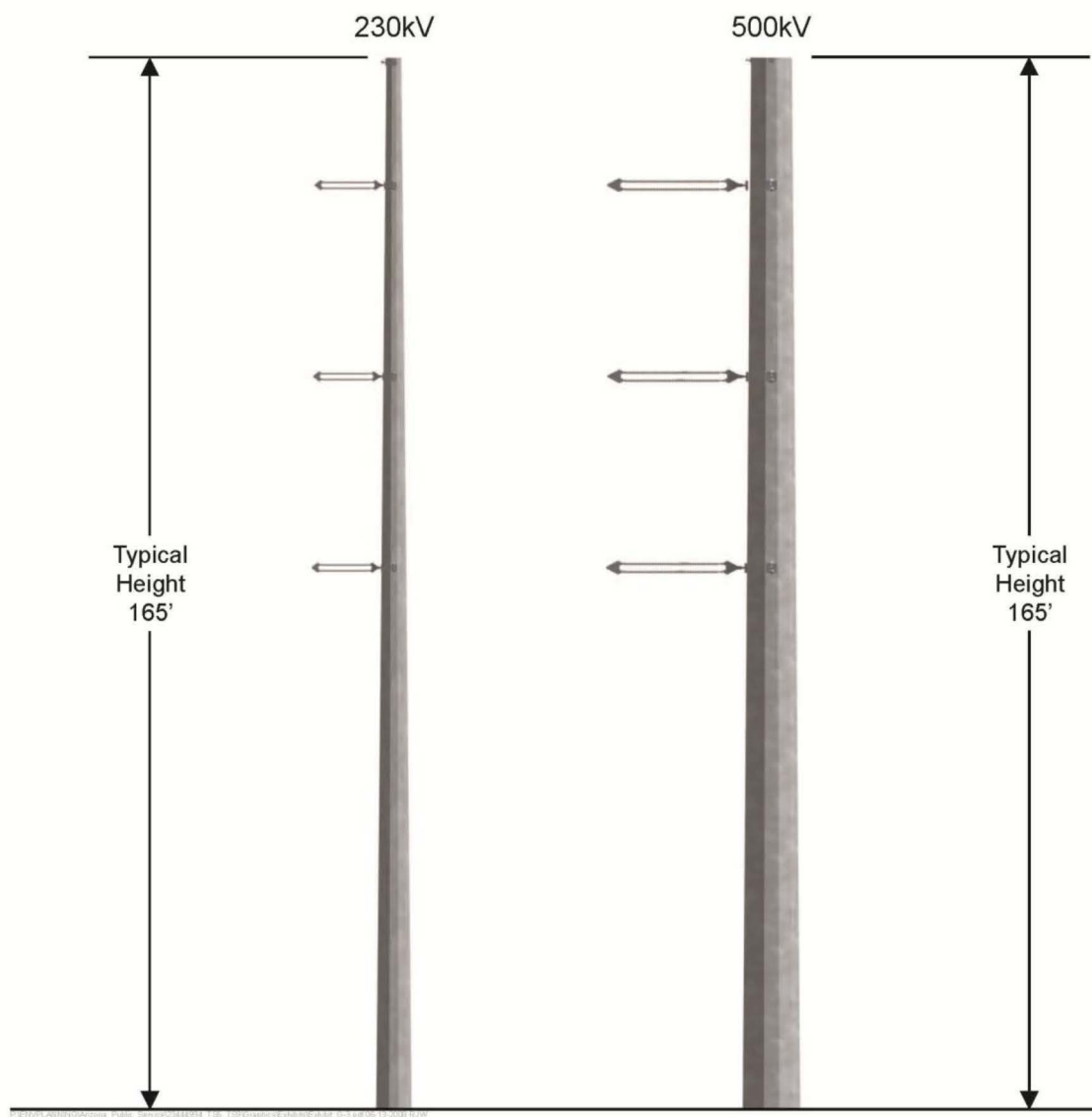


Figure 2.4-3 Typical 500/230kV Line Angle Poles

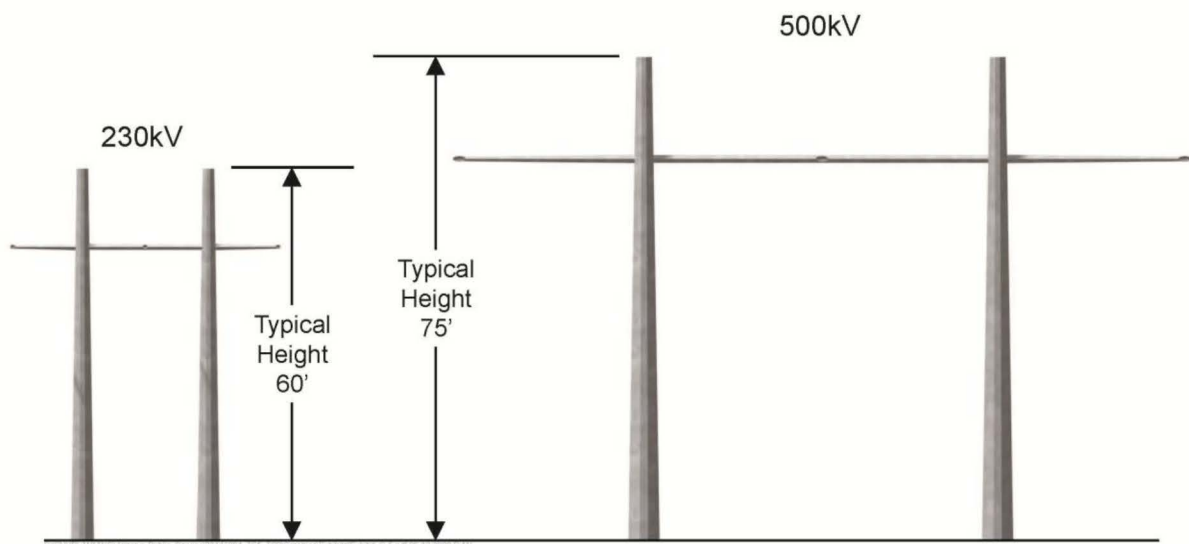


Figure 2.4-4 Typical 500/230kV H-Frame Structures

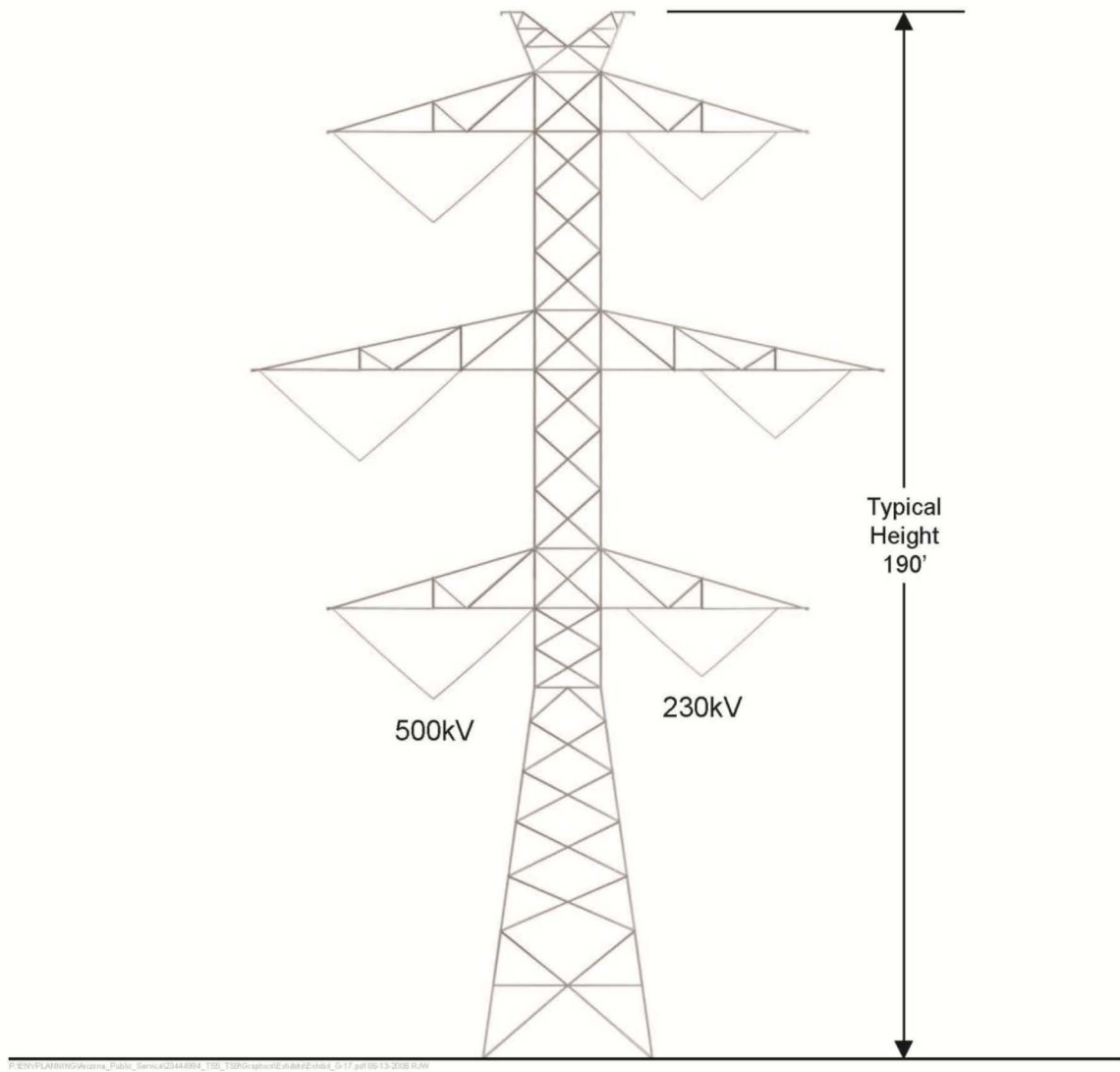


Figure 2.4-5 Double Circuit 500/230kV Tangent Lattice Tower

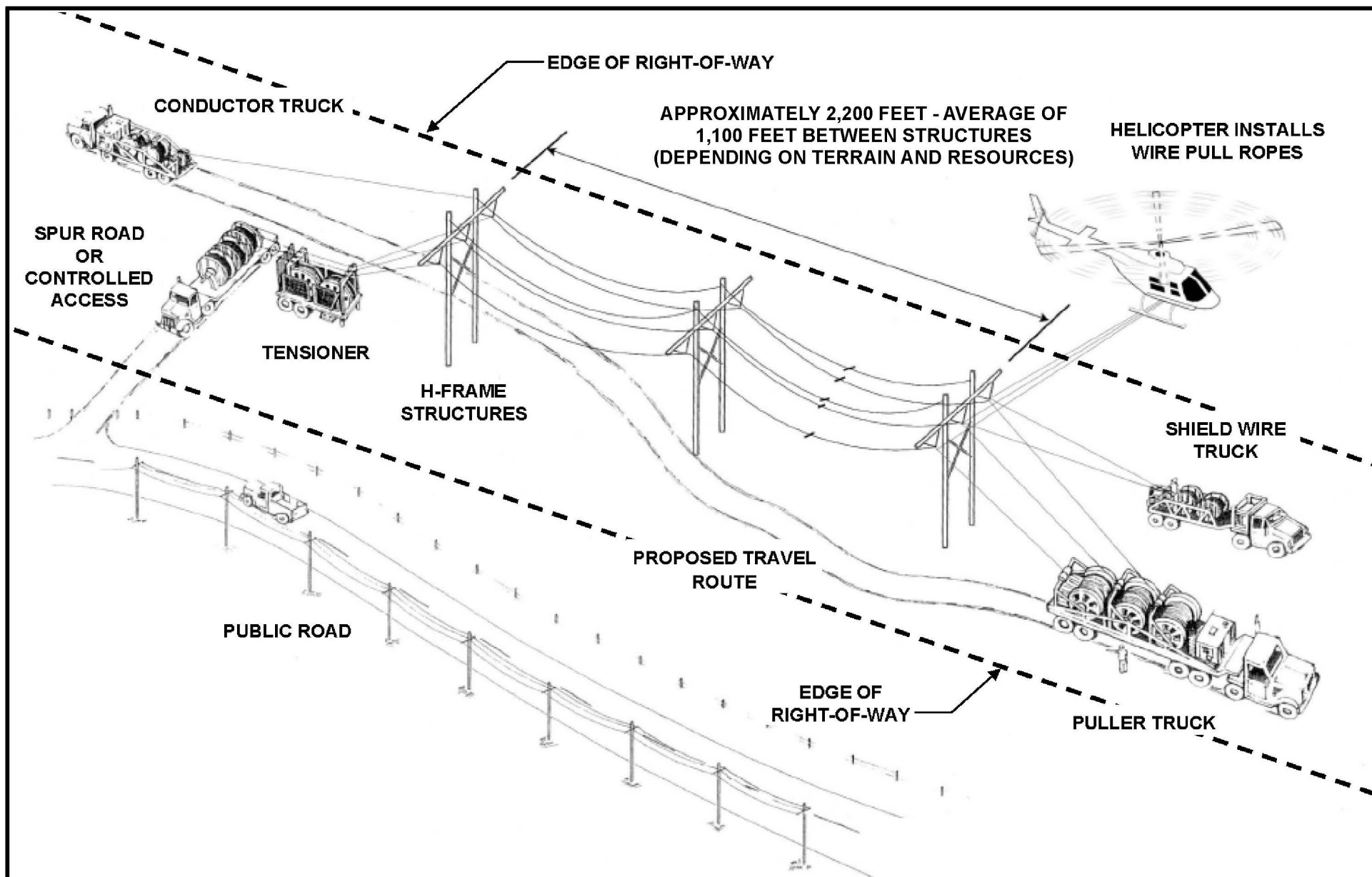
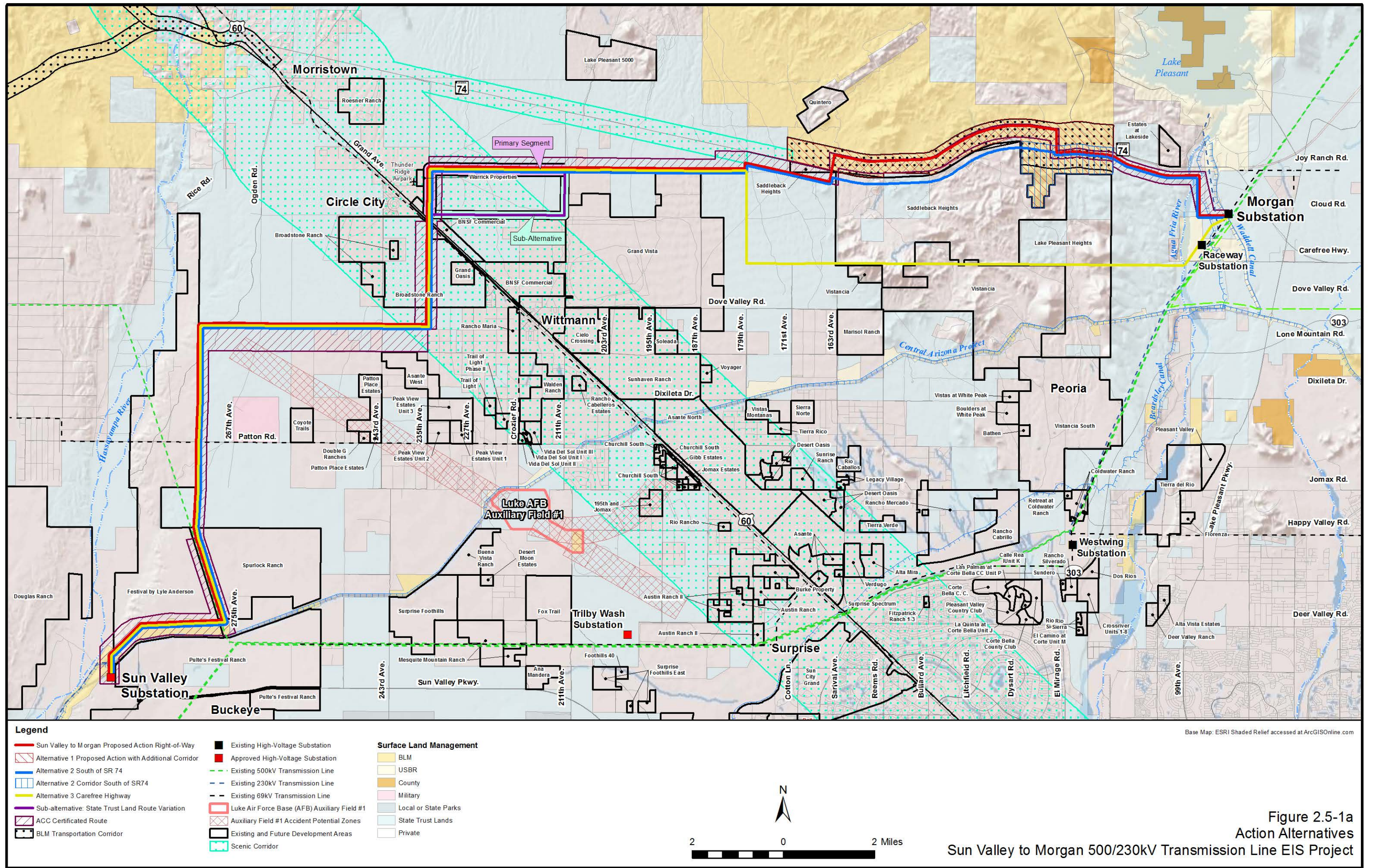
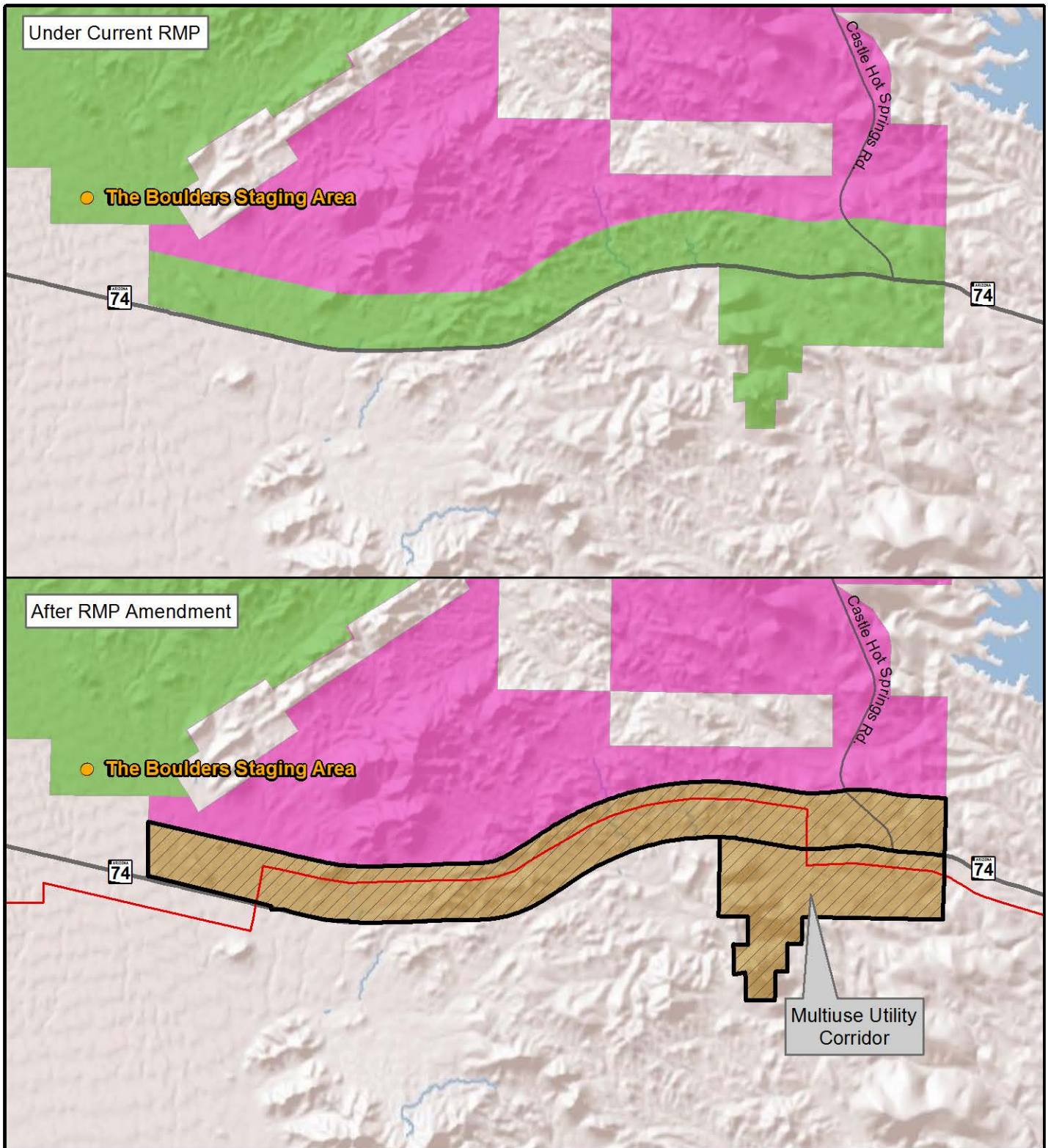


Figure 2.4-6
Basic Wire Handling Equipment
Sun Valley to Morgan 500/230kV Transmission Line EIS Project





Legend

— Sun Valley to Morgan
Proposed Action Route

▨ Multiuse
Utility Corridor

● The Boulders
Staging Area

VRM Class

■ II

■ III

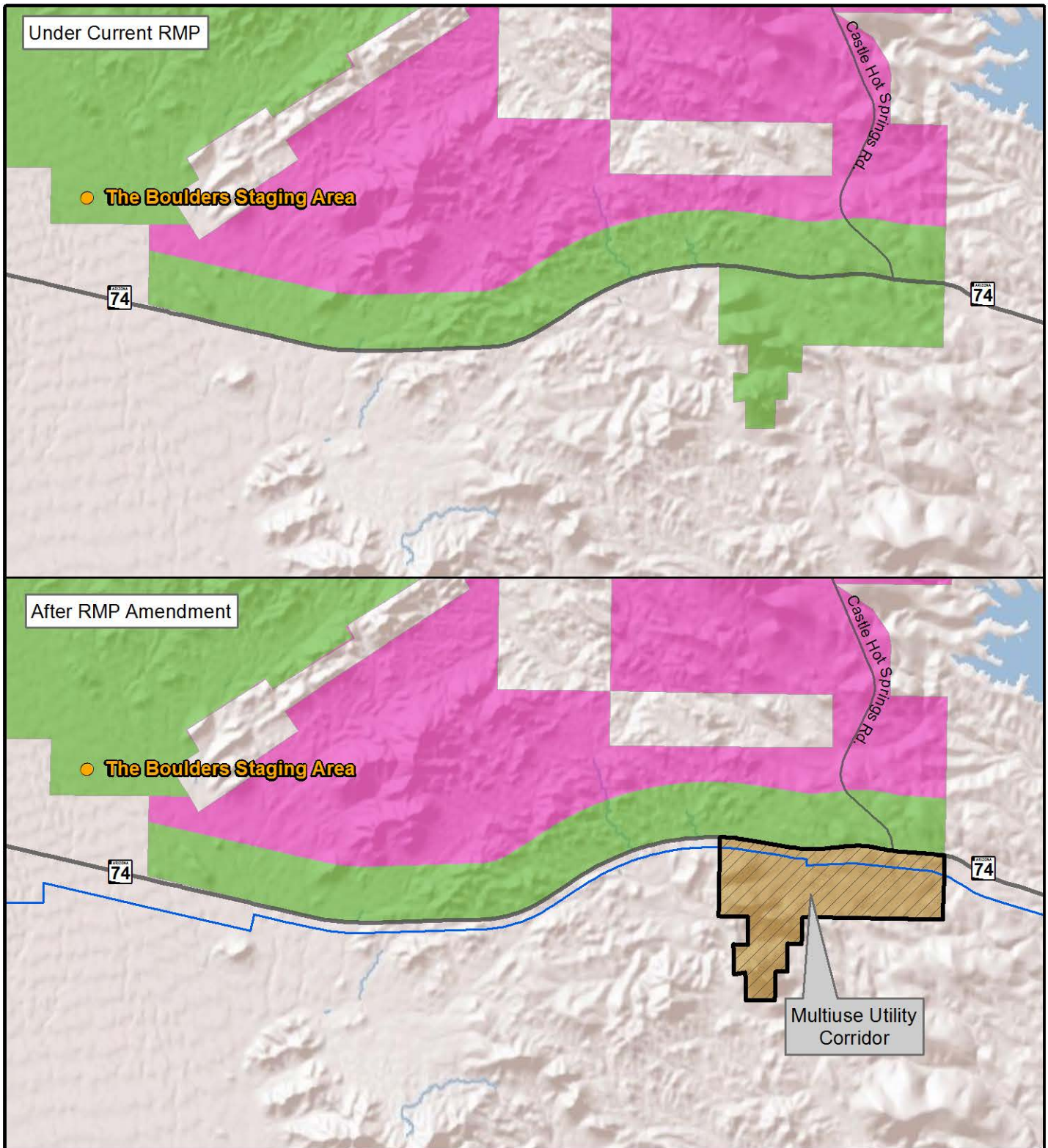
■ IV



1 0.5 0 1
Miles

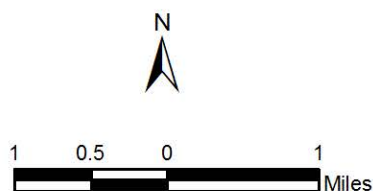
Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com
BLM 2011

Figure 2.5-1b
Alternative 1 -
RMP Amendments
Sun Valley to Morgan 500/230kV -
Transmission Line EIS Project



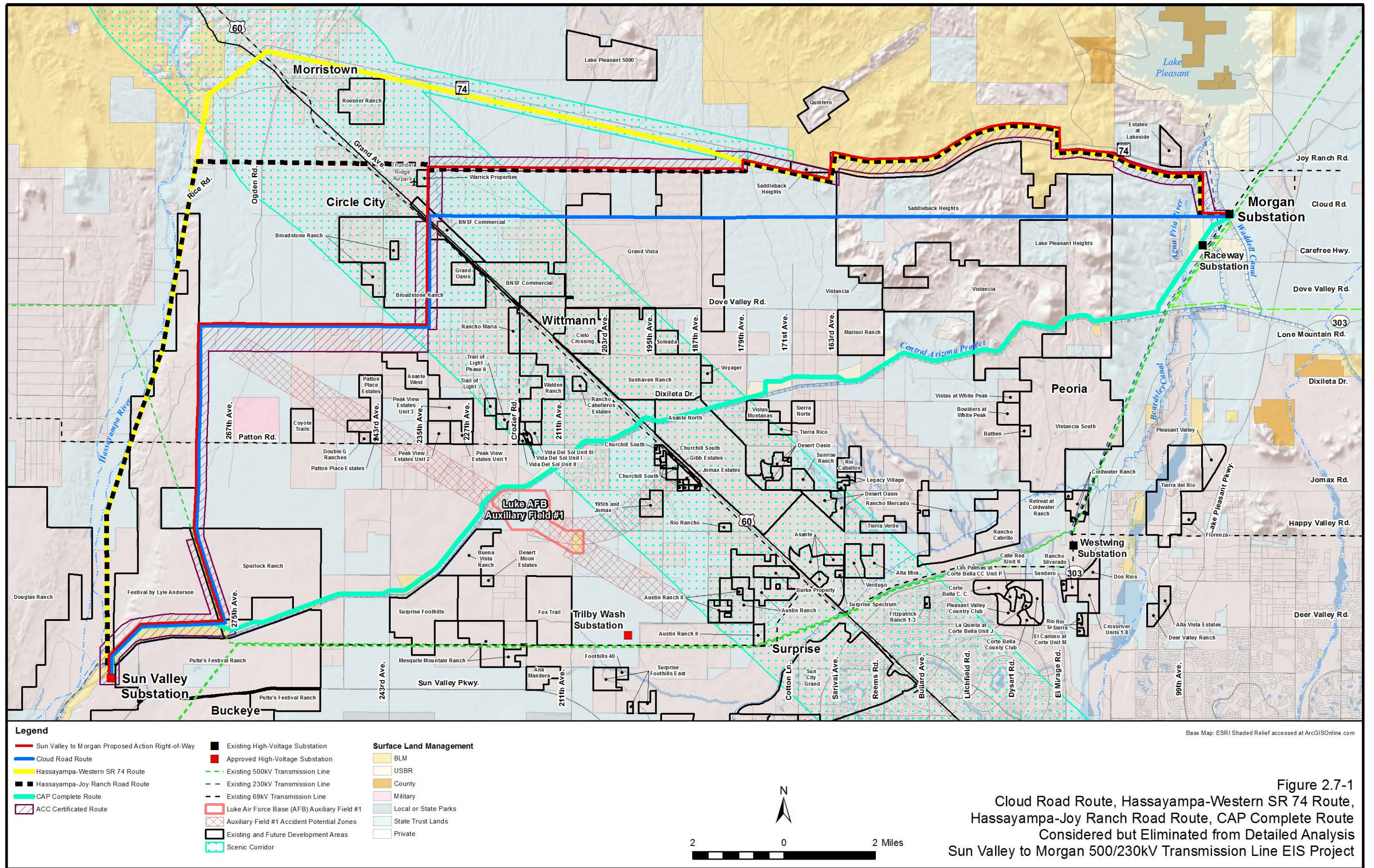
Legend

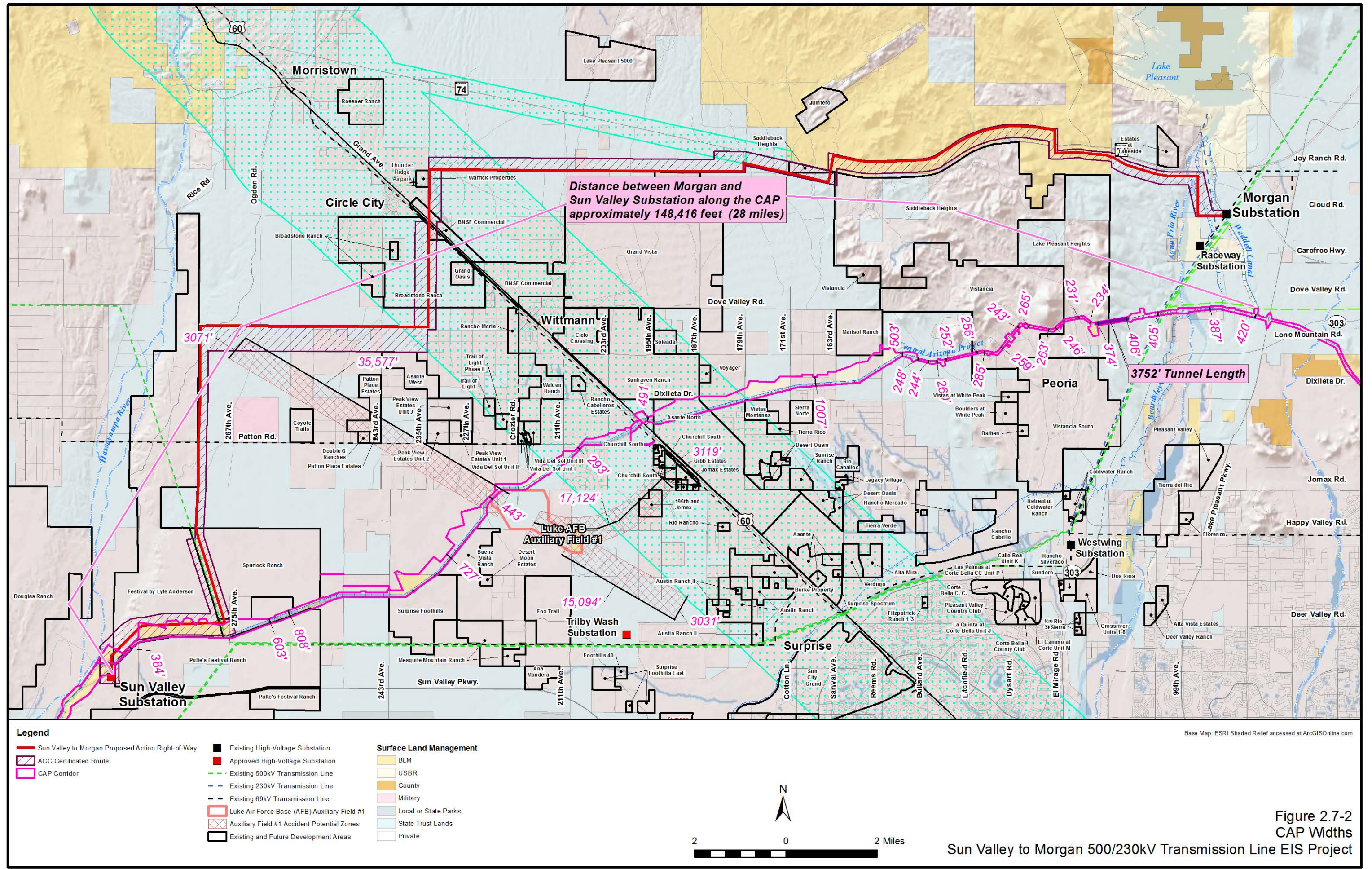
- Alternative 2 Route **VRM Class**
- Multiuse Utility Corridor
 - The Boulders Staging Area
 - II
 - III
 - IV

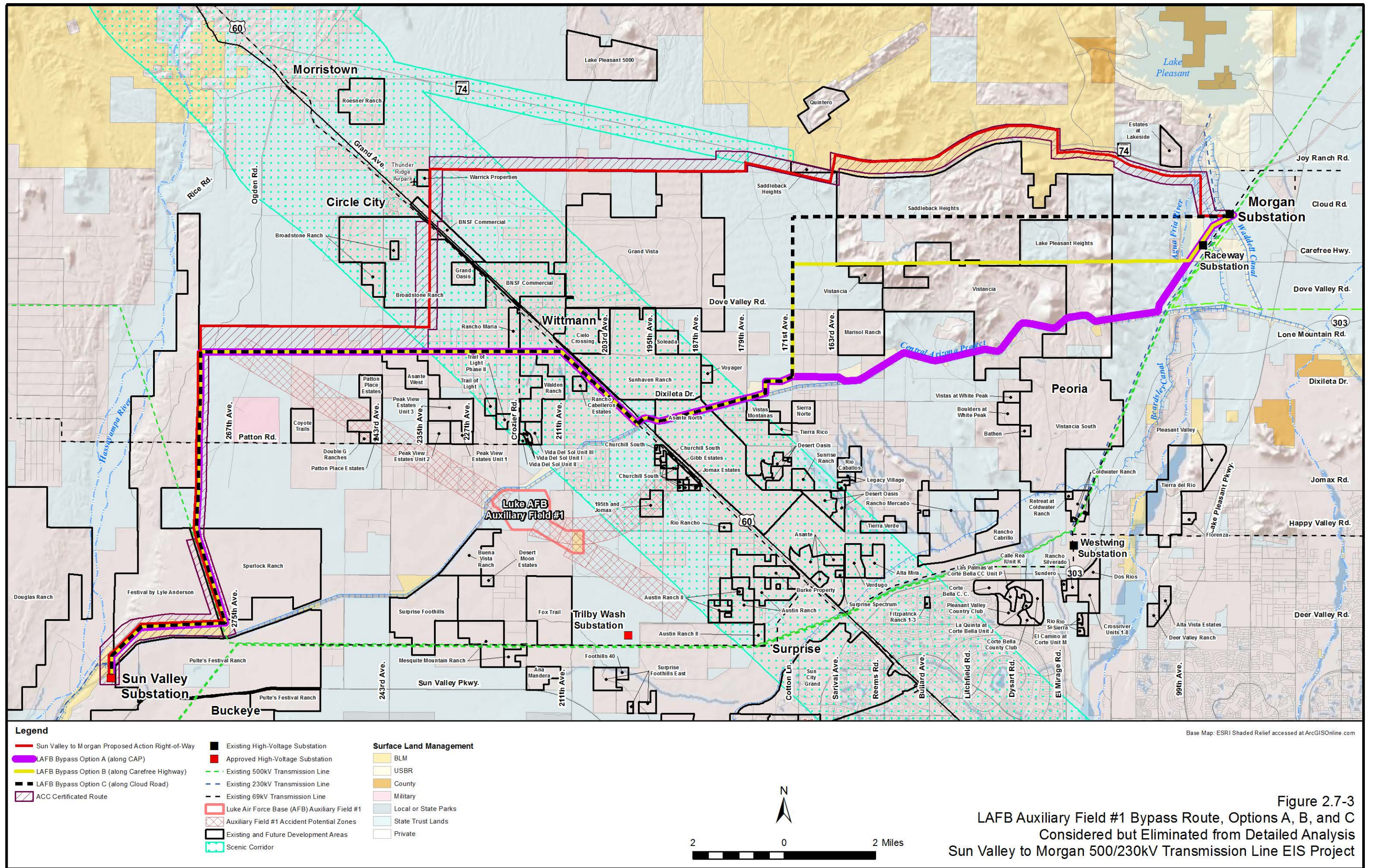


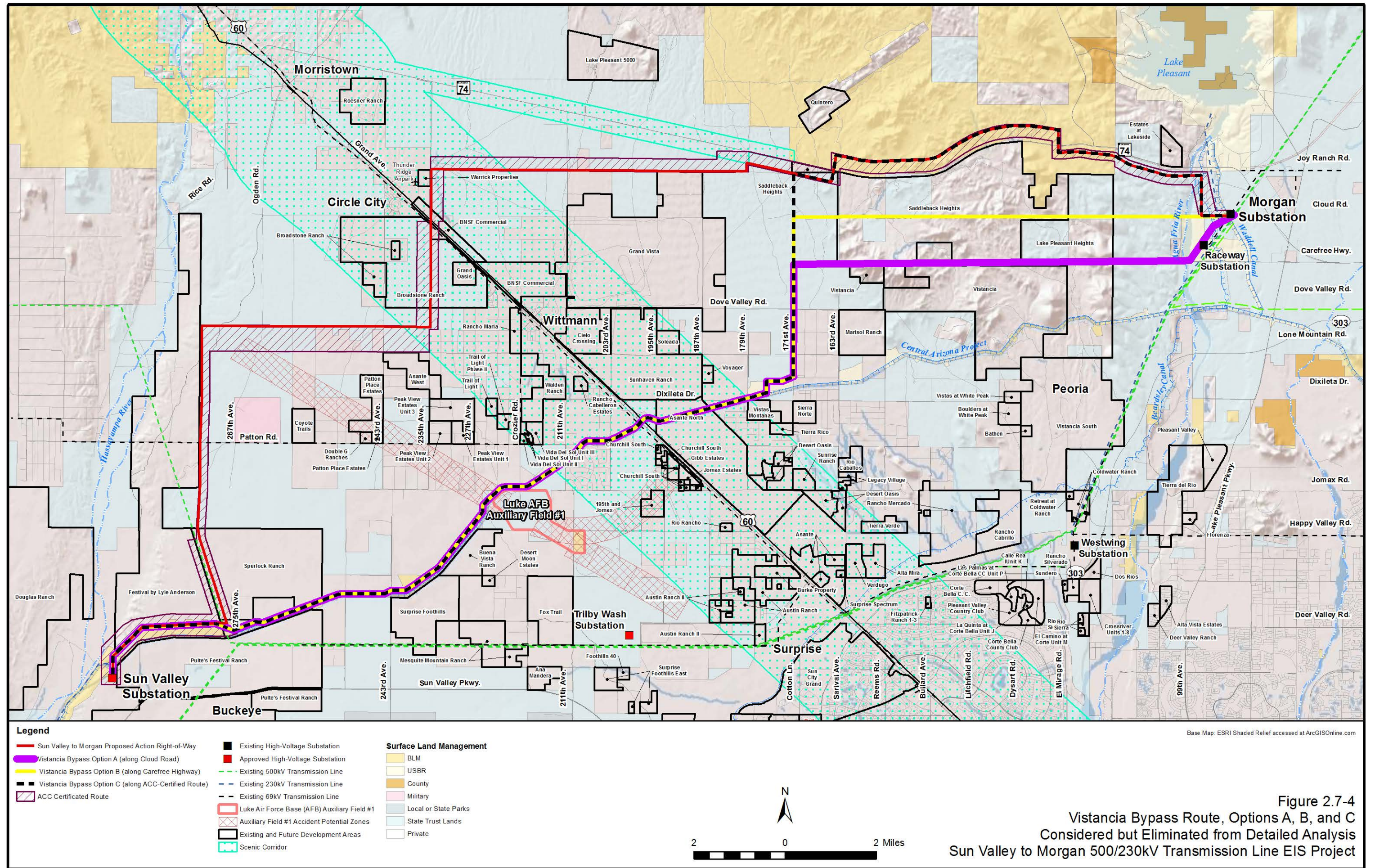
Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com
BLM 2011

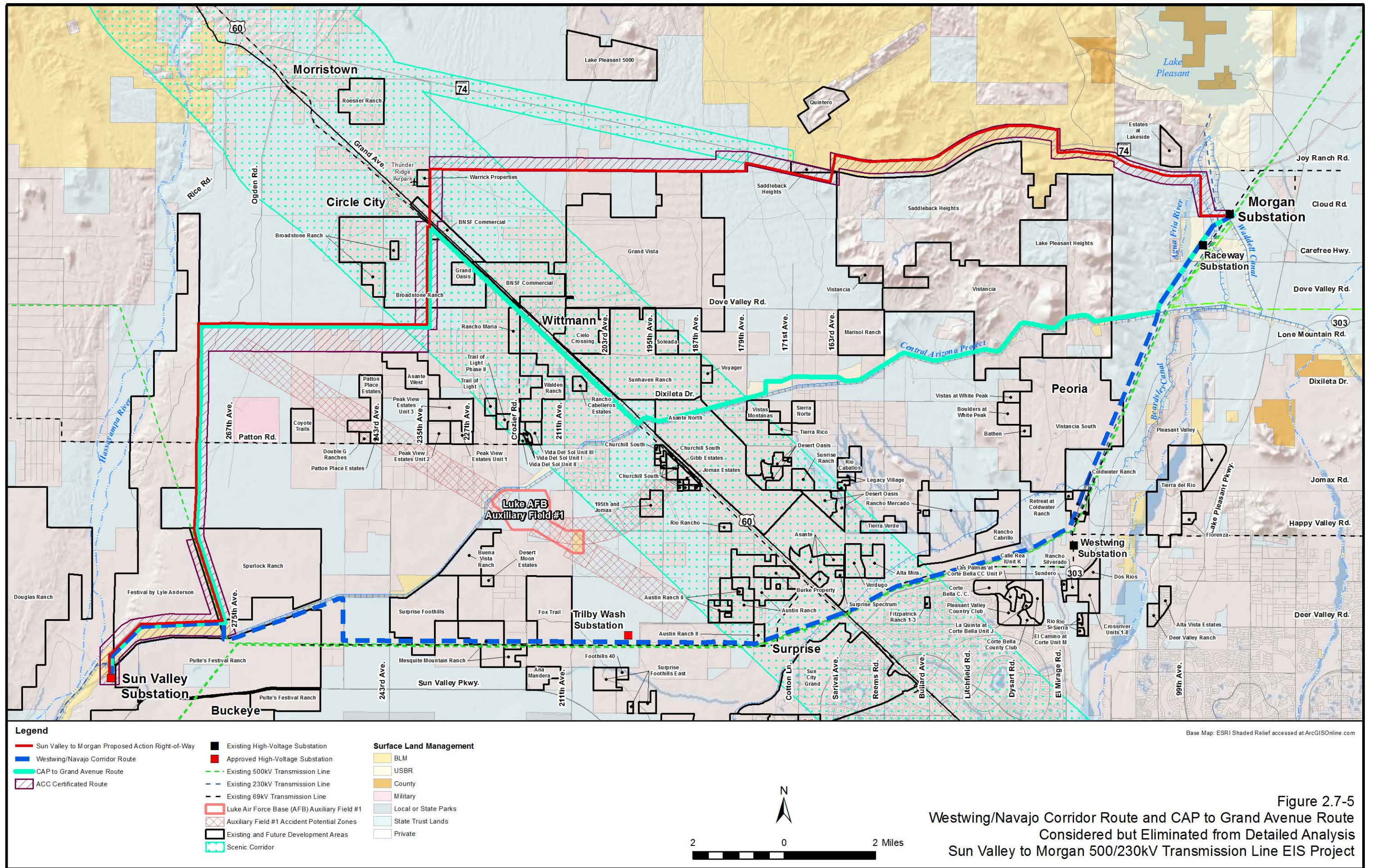
Figure 2.5-1c
Alternative 2 -
RMP Amendments
Sun Valley to Morgan 500/230kV -
Transmission Line EIS Project

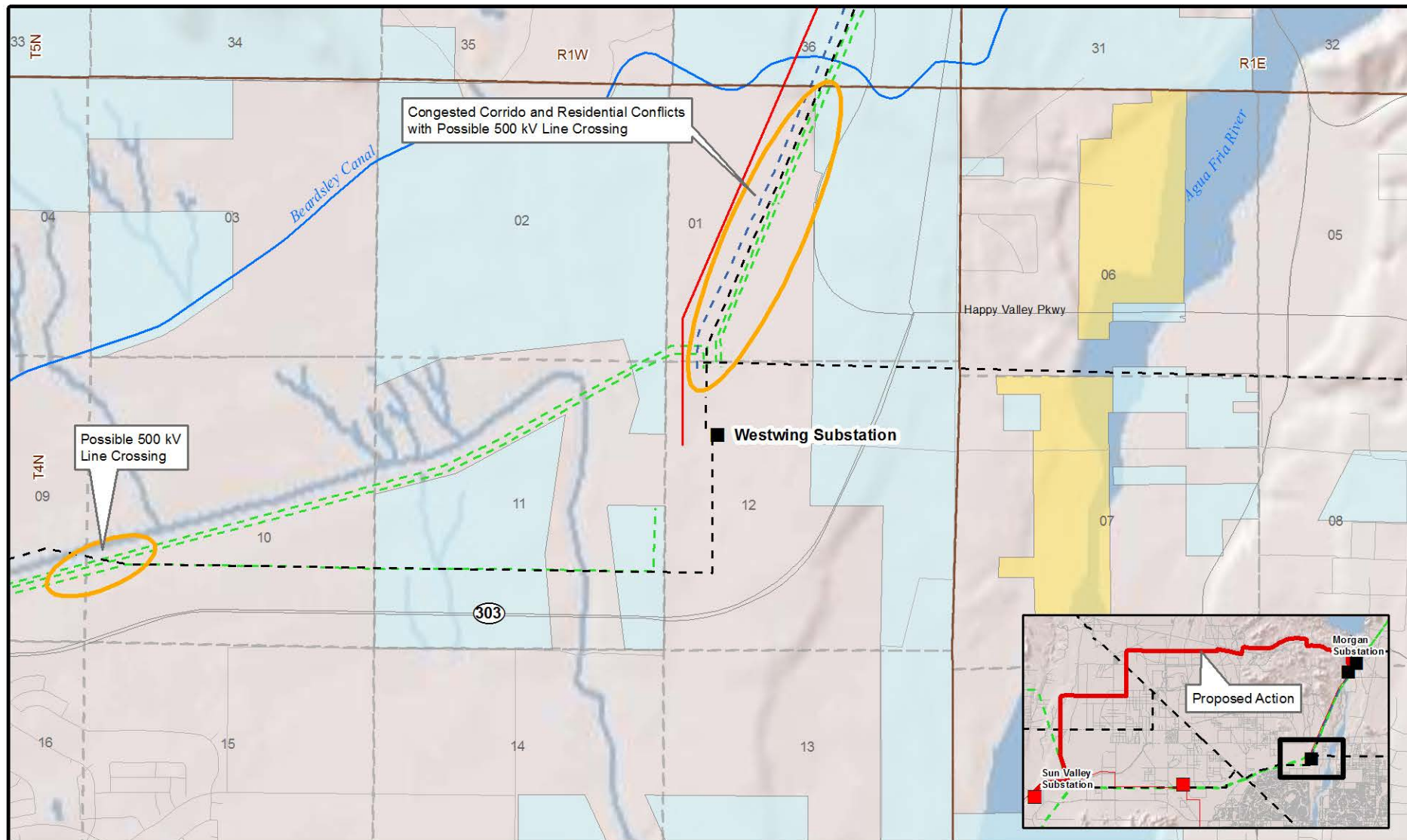












Legend

- | | |
|---|--|
| <ul style="list-style-type: none"> ■ Existing High-Voltage Substation ■ Approved High-Voltage Substation — Approved 230kV Transmission Line - - - Existing 500kV Transmission Line - - - Existing 230kV Transmission Line - - - Existing 69kV Transmission Line | Surface Land Management <ul style="list-style-type: none"> ■ BLM ■ State Trust Lands ■ Private |
|---|--|

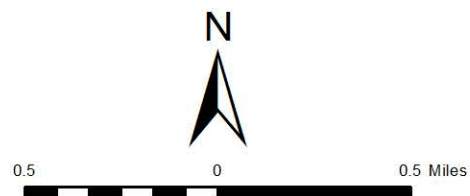
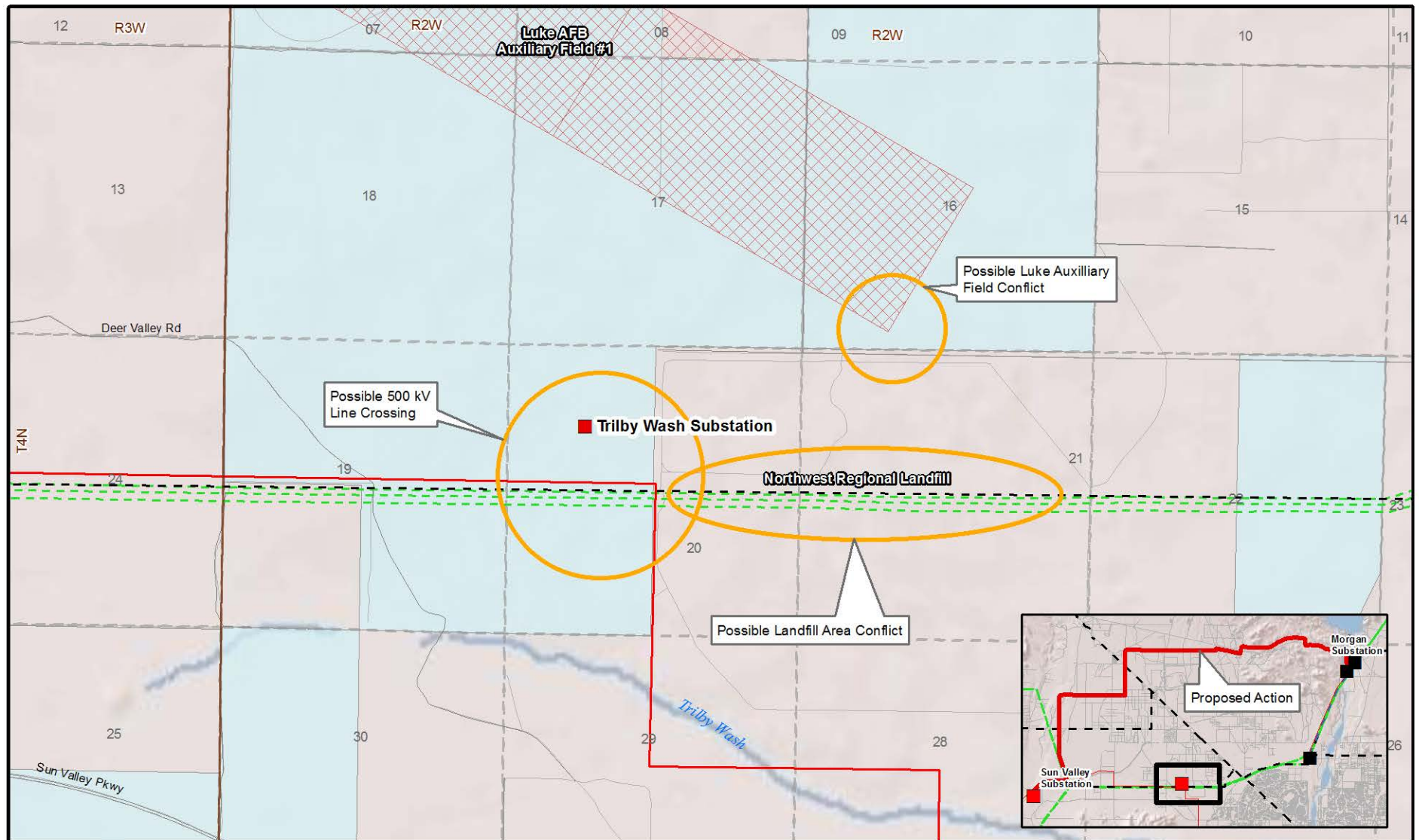


Figure 2.7-6
Westwing Area Crossings
and Constraints
Sun Valley to Morgan 500/230kV
Transmission Line EIS Project



Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com

Legend

- | | |
|--|--------------------------------|
| ■ Existing High-Voltage Substation | Surface Land Management |
| ■ Approved High-Voltage Substation | State Trust Lands |
| — Approved 230kV Transmission Line | Private |
| - - - Existing 500kV Transmission Line | |
| - - - Existing 230kV Transmission Line | |
| - - - Existing 69kV Transmission Line | |
| ▨ Auxilliary Field # 1 | |
| ▨ Accident Prevention Zone | |

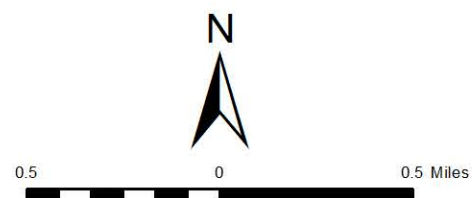
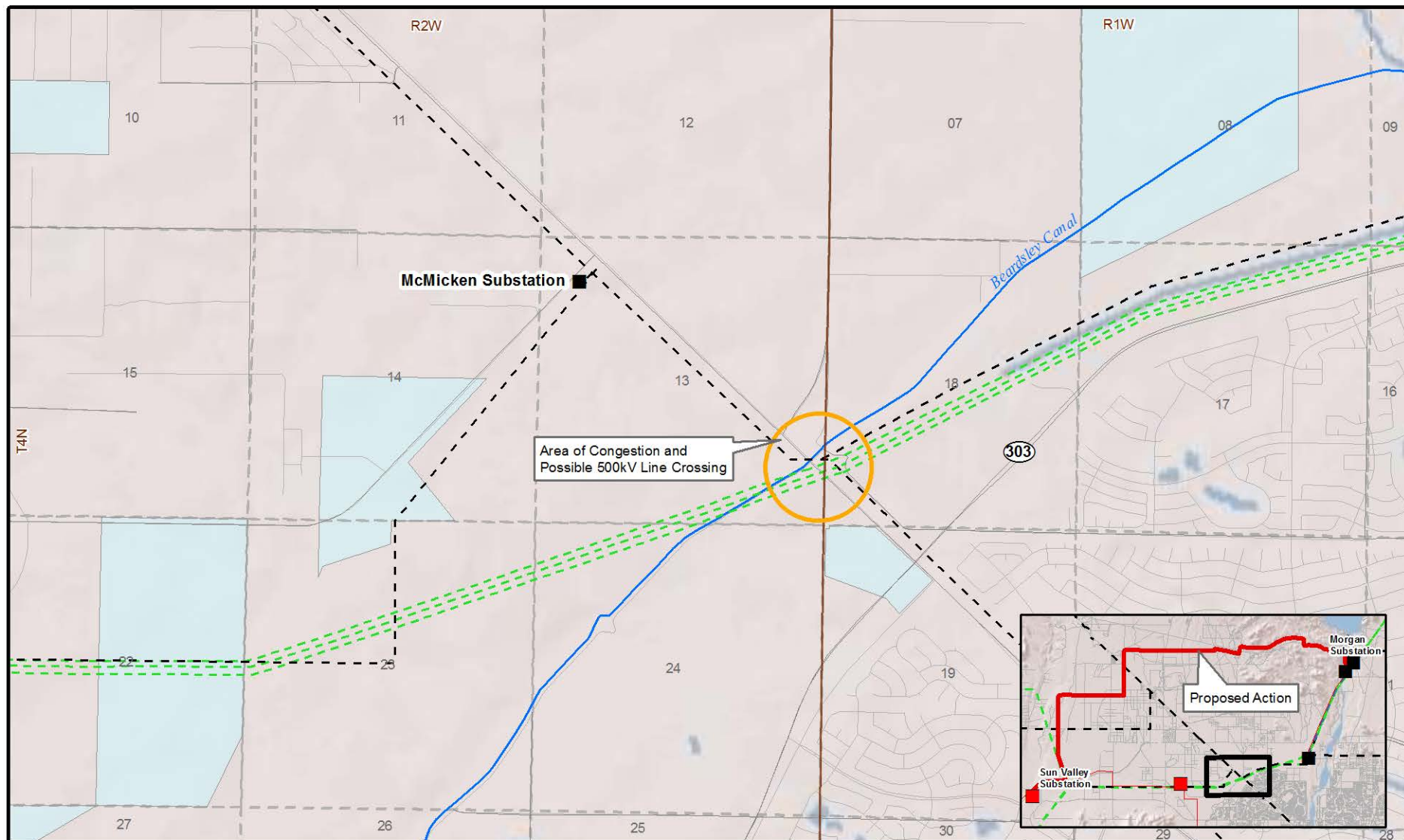


Figure 2.7-7
Trilby Wash Area Crossings
and Constraints
Sun Valley to Morgan 500/230kV
Transmission Line EIS Project



Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com

Legend

- | | |
|---|---|
| <ul style="list-style-type: none"> ■ Existing High-Voltage Substation ■ Approved High-Voltage Substation — Approved 230kV Transmission Line - - - Existing 500kV Transmission Line - - - Existing 230kV Transmission Line - - - Existing 69kV Transmission Line | Surface Land Management <ul style="list-style-type: none"> ■ State Trust Lands □ Private |
|---|---|

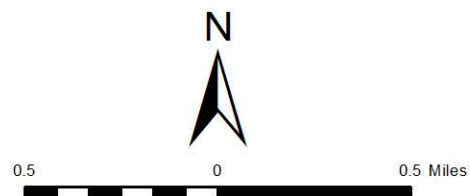
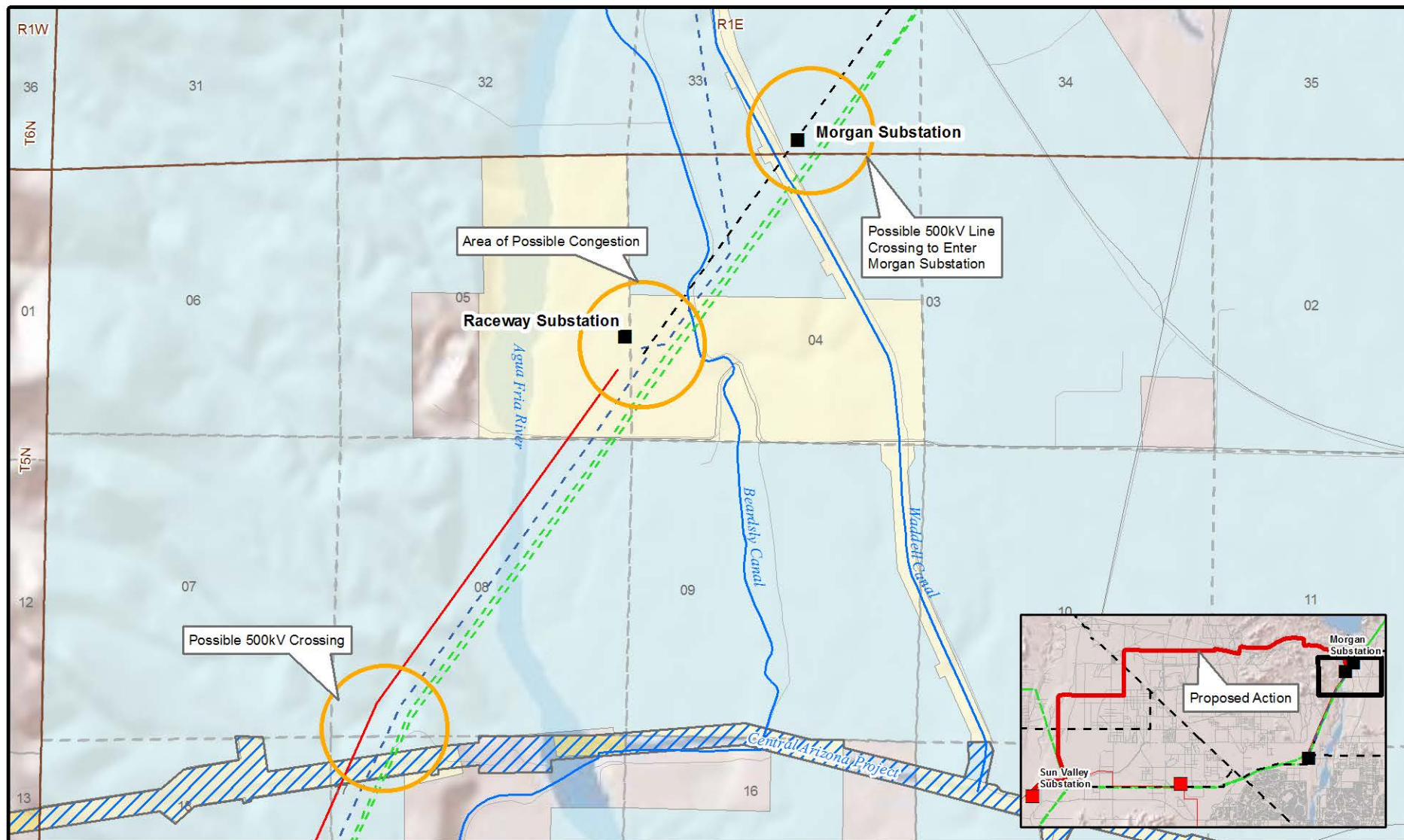


Figure 2.7-8
McMicken Area Crossings
and Constraints
Sun Valley to Morgan 500/230kV
Transmission Line EIS Project



Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com

Legend

- | | |
|--------------------------------------|--------------------------------|
| ■ Existing High-Voltage Substation | Surface Land Management |
| ■ Approved High-Voltage Substation | ■ BLM |
| — Approved 230kV Transmission Line | ■ USBR |
| --- Existing 500kV Transmission Line | ■ State Trust Lands |
| --- Existing 230kV Transmission Line | ■ Private |
| --- Existing 69kV Transmission Line | |
| ▨ CAP | |

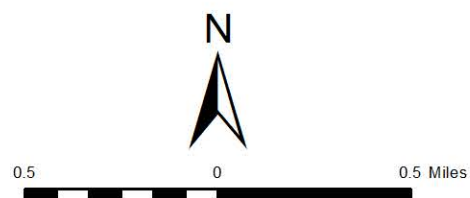
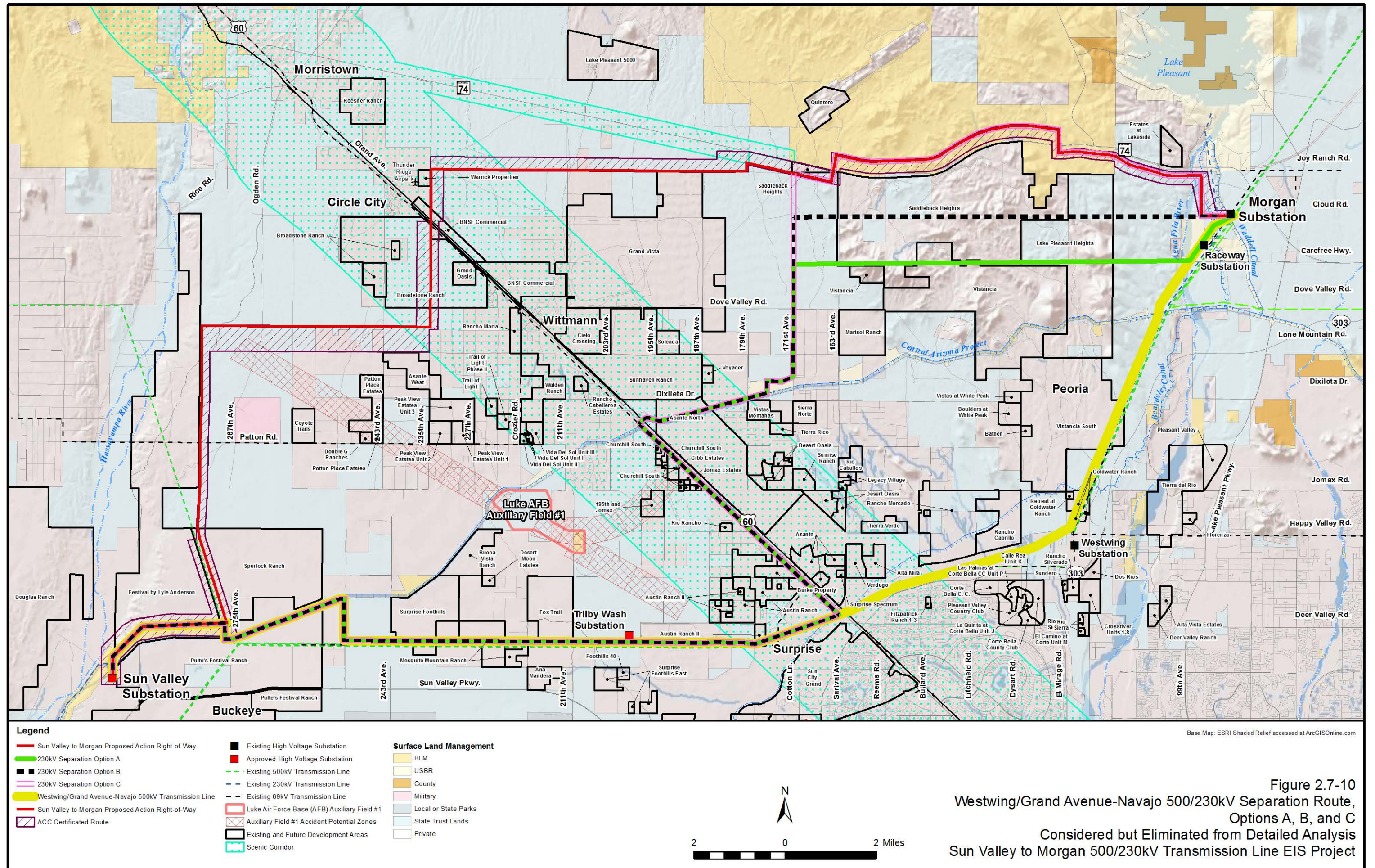


Figure 2.7-9
Morgan Area Crossings
and Constraints
Sun Valley to Morgan 500/230kV
Transmission Line EIS Project



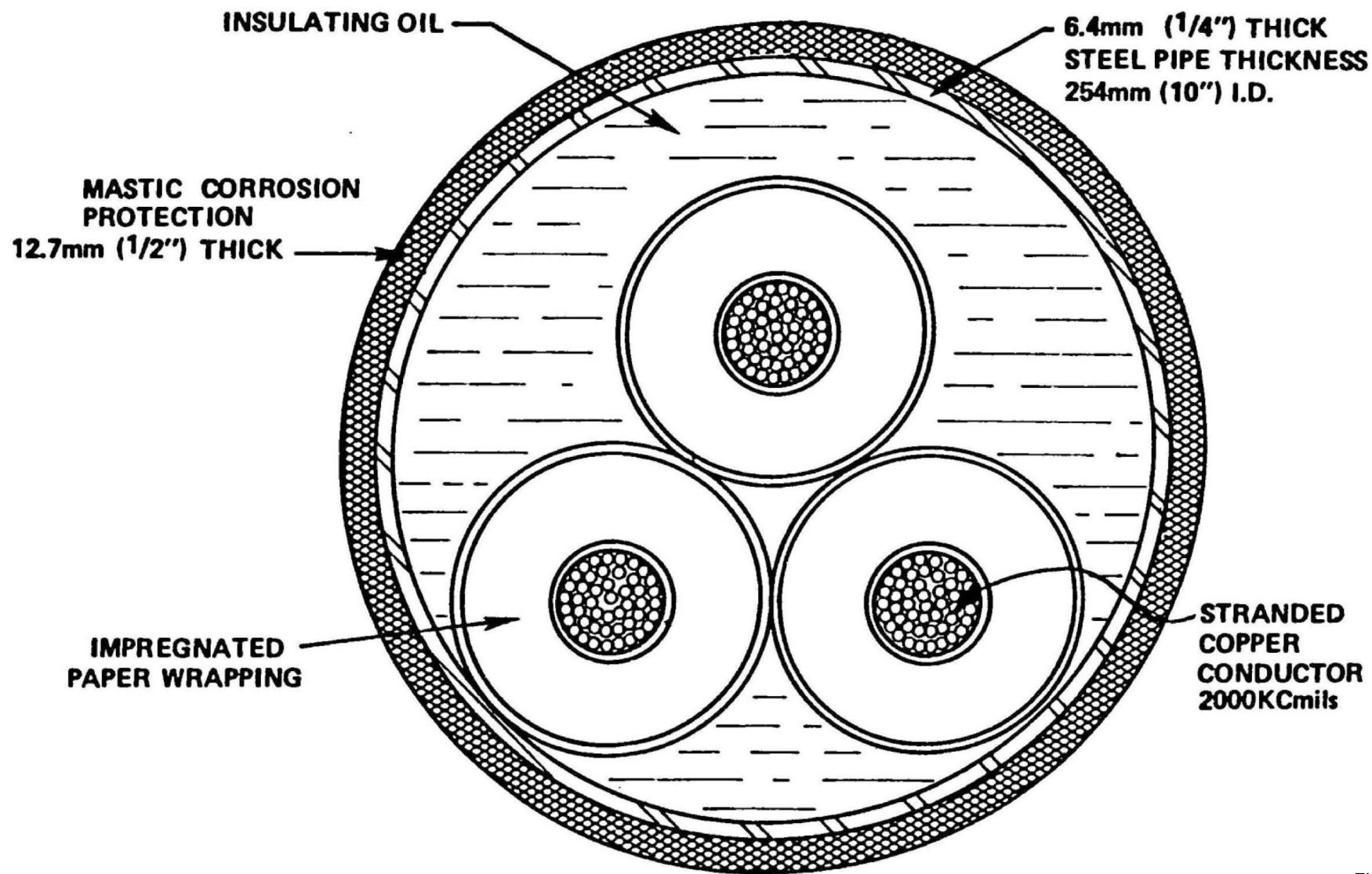


Figure 2.7-11
HPFF Cable Cross Section
Sun Valley to Morgan 500/230kV Transmission Line EIS

Source: "Technology and Environmental Assessment Guide on Underground HV Power Transmission (Year 2000 Update)" report prepared by RW Beck for the CPUC as part of the Tri-Valley Capacity Increase Project Draft EIR, Appendix 2 (Application No. 99-11-025).



Figure 2.7-12 Typical XLPE Vault Installation

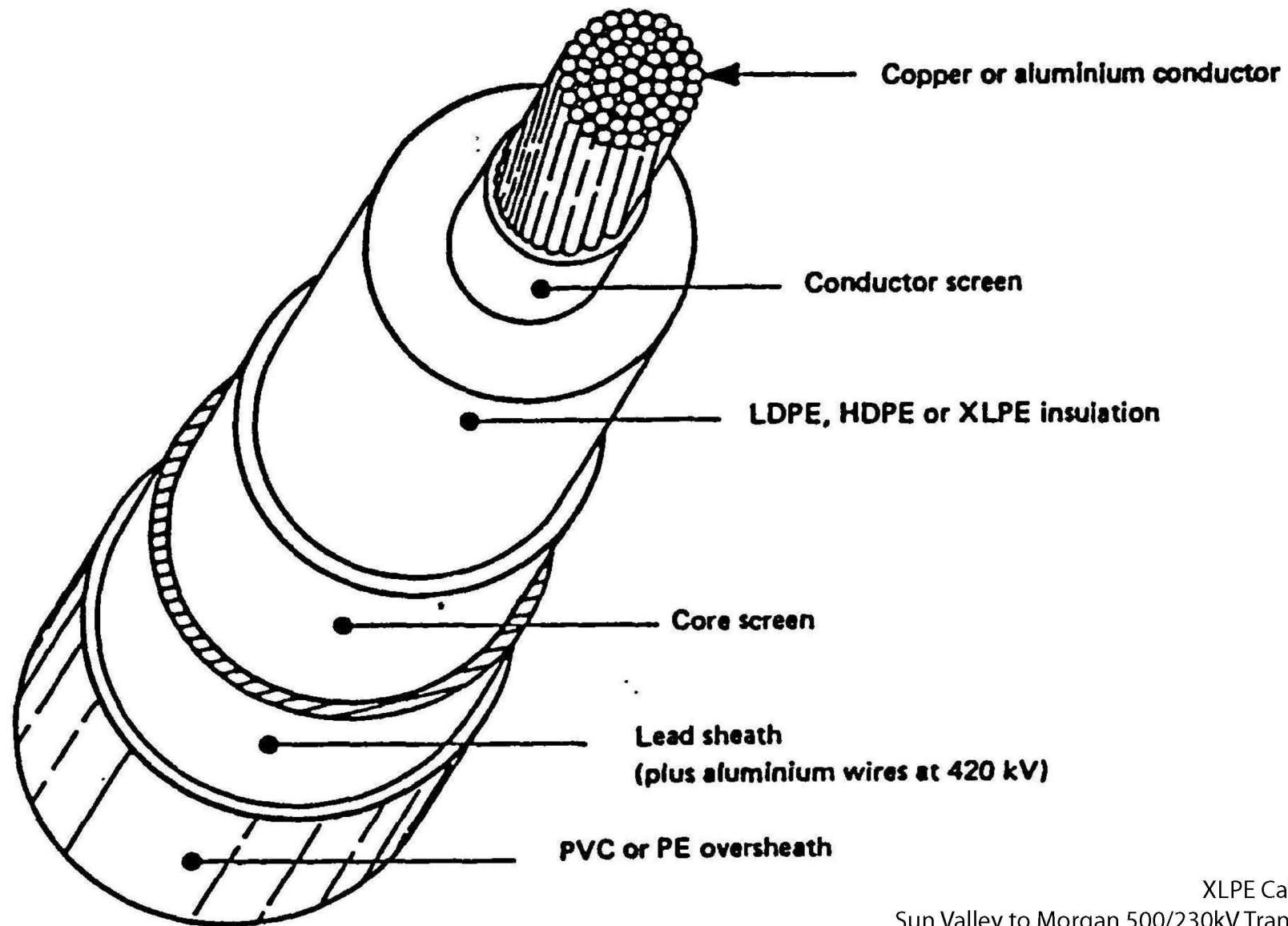


Figure 2.7-13
XLPE Cable Cross Section
Sun Valley to Morgan 500/230kV Transmission Line EIS

Source: "Technology and Environmental Assessment Guide on Underground HV Power Transmission (Year 2000 Update)" report prepared by RW Beck for the CPUC as part of the Tri-Valley Capacity Increase Project Draft EIR, Appendix 2 (Application No. 99-11-025).



Figure 2.7-14 **Typical Overhead to Underground Transition Station**

